Lake Erie Millennium Network

Binational Research and Monitoring for the Millennium http://www.uwindsor.ca/erie2001

Dear Colleague,

Thank you very much for agreeing to give a platform presentation at this year's Lake Erie Millennium Network Conference. We're looking forward to a strong turnout from the academic and management communities and from the general public and media.

The purpose of this year's platform sessions is to provide the audience with updated information on the Lake's status and to communicate new methodology or analyses of existing and novel issues.

We have allotted 15 minutes for each presentation in typical conference format. We ask that you attempt to allocate about 12 minutes for your talk to leave 3 minutes for questions. There will be additional time at the end of each session for responses to synoptic questions from the audience.

A suggested format for each presentation is to address the following questions:

-What is the problem/issue being addressed?
-What methodology is being used to address the problem/issue?
-What new results are there to report? Are these results consistent with previous expectations, or unexpected?
-What light do these results shed on the big questions facing the Lake Erie ecosystem.
-What future research is needed next? What complementary information is needed?

If possible, we would also like to receive a copy of your presentation (PowerPoint or Corel Presentations) the evening prior to the conference at the latest. This could be sent as an e-mail attachment or brought to the Monday evening informal social on a CD or memory stick. This will give us time to put the data on our projection computer. Please also let us know if you will give permission for us to post your presentation, or key slides from it on our web site to complement your abstract.

The preferred format for audiovisual aids is PowerPoint, which we will display on a Windows-based computer. However, we will have an overhead projector available for those who wish to use transparencies. We can also arrange to show 35-mm slides. Please advise us as soon as possible which display format you plan to use.

We would be grateful if you would be able to provide us with a brief abstract/summary of your presentation before or at the conference. We will be taking notes during your presentation with which we would like to augment your abstract. An example of the abstract style is detailed on the next page.

It is our policy to waive the registration fee of all invited platform speakers. However, **please register promptly** using the online registration option at the LEMN web site so that we have an accurate count of attendees. When you register, please indicate "cheque" as the method of payment but write "registration waived" in the comments section of the online registration form.

Thank you again for your willingness to contribute your time and expertise to this important event.

Sincerely, Jan Ciborowski
Murray Charlton
Jeff Reutter
Russell Kreis, Codirectors

Instructions for Abstract Submission

We would like to receive abstracts of both platform sessions and posters. Abstracts received by 21 February will be included in the LEMN conference program. Notes taken during conference will be used to augment the abstract, and author-approved expanded abstracts will be posted on the LEMN web site. In additional we would like to post .pdf versions of selected accompanying presentation slides on the site after the conference. We will do so only with the authors' permission. Please submit a Word or WordPerfect version of your abstract to

Dr. Lucie Hannah (**LHANNAH@uwindsor.ca**) as soon as possible, **by 21 February at the latest.**

SAMPLE ABSTRACT STYLE

BURROWING MAYFLY RANGE EXPANSION AND LIFE HISTORY IN WESTERN LAKE ERIE.

Jan J.H. Ciborowski[1] (cibor@uwindsor.ca), L.D. Corkum[1], J. Gerlofsma[1], M.E. Chase[1], Grgicak[1], D.W. Schloesser[2], and K.A. Krieger[3]. [1]Department of Biological Sciences, University of Windsor, Windsor, ON, [2]US Geological Survey, Great Lakes Science Center, Ann Arbor, MI, and [3]Water Quality Laboratory, Heidelberg College, Tiffin, OH.

Hexagenia disappeared from western Lake Erie in the 1950s. Adult *Hexagenia* were observed at isolated locations in 1991 following 20 years of reduced phosphorus inputs and the invasion of zebra mussels. semi-annual benthic surveys have documented range expansion of *Hexagenia* larvae from west to east, and two- to four-fold annual increases in density, to >2000 larvae/m^2 at some sites in 1997. Numbers declined in many locations in 1998. Since 1994, adult *Hexagenia* have been observed throughout western Lake Erie but only at isolated shoreline locations in central or eastern basins. Continued absence of larvae north of Pelee Island and south of Middle Sister and East Sister islands suggests that benthic conditions may be limiting recovery in some regions. Sediment cores from areas both with and without larvae contained apparently viable eggs. Size frequency distributions of larvae in May (before emergence) of each year reflect time since colonization. Areas apparently colonized within one year harboured almost exclusively large larvae. Sites colonized for 2 or more years exhibited distinct size bimodality or only smaller larvae. Possible explanations are 1) density-dependent effects pertain; 2) eggs may become buried to anoxic depths in sediments (arresting development) and subsequently re-exposed by either a) wave-action; or b) bioturbation activity of larger larvae. Any of these mechanisms may reduce or delay growth, and ultimately impose a two-year life cycle.

Please add the following to your abstract page to indicate your approval for the usage of your presentation:

I give permission for a pdf version of my abstract and/or presentation images to be posted on the Lake Erie Millennium web site following the conference.

Name: _____